

Mr. E. W. Morain, P.E.  
Manager, Plastic Division  
Continental Industries, Inc.  
4192 South 47th East Avenue  
Tulsa, OK 74101

Dear Mr. Morain:

This responds to your letter dated February 19, 1976, and attached sketch showing two types of meter risers that Continental Industries proposes to manufacture for the gas distribution industry. You have questioned the Office of Pipeline Safety Operations (OPSO), "(a) will a riser of this type comply with D.O.T. Regulation for limiting the thermoplastic to 100°F and (b) would the metal gas carrier above ground inside the thermoplastic shield require cathodic protection?"

OPSO does not endorse or certify proprietary items. It is the responsibility of the operator to assure that gas facilities are constructed out of materials that will maintain their structural integrity under the anticipated temperature and environmental conditions to which they are exposed and be compatible with any gas that is transported. We are enclosing a copy of 49 CFR Part 192 for your information and use to determine if the meter risers would meet the applicable standards.

In addition to other applicable requirements, the meter risers must meet the requirements of 49 CFR §192.375(a) for protection of plastic service lines and §192.123 Design limitations for plastic pipe. With regard to the metal gas carrier, a determination must be made as to whether or not gas is transported through it as a carrier pipe below ground. If in fact gas is transported through the metal gas carrier below ground, then it must comply with the requirement of Subpart I for corrosion control.

Thank you for your interest in pipeline safety.

Sincerely,

/signed/

Cesar DeLeon  
Acting Director  
Office of Pipeline Safety Operations

Mr. Cesar DeLeon  
Acting Director  
Office Pipeline Safety Operations  
Washington, D. C. 20590

Dear Mr. DeLeon:

I am enclosing a sketch of two types of meter risers we are proposing to manufacture for the gas distribution industry.

The thought behind this style of meter riser is to allow the gas distribution industry the option of purchasing a product which would comply with the D.O.T. Regulations prohibiting bringing thermoplastic above ground level where the temperature could exceed 100°F, and still fulfill the requirements of the corrosion section of the D.O.T. Regulations.

The basic principle of this type of meter riser is that the junction of the plastic to metal transition inside the shield pipe is made as shown in Detail "A" on the sketch. Above the metal insert becomes a gas carrying member with a plastic shield to above ground portion.

Our question is (a) will a riser of this type comply with D.O.T. Regulation for limiting the thermoplastic to 100°F and (b) would the metal gas carrier above ground inside the thermoplastic shield require cathodic protection?

Metal insert would be made of non-ferrous metal, mild steel, or stainless steel.

We thank you in advance for your early reply on these questions.

Respectfully,

E. W. Morian, P.E.  
Manager, Plastic Division